

Method for synthesizing carbon nano tube and equipment thereof

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A method of synthesizing carbon nanotubes and a carbon nanotube synthesizing apparatus used for the same are provided. A catalyst is introduced into the reactor, and the catalyst in the reactor is selectively and locally heated by a heating method such as microwave irradiation, electromagnetic inductive heating, radio frequency heating or laser heating. Here, carbon source gas, carbon source gas and hydrogen sulfide gas, or carbon source gas and hydrogen gas or inert gas is supplied into the reactor, thereby growing carbon nanotubes from the locally heated catalyst.